

## CASE STUDY

"At COE Security, we build, operate, and transfer world-class security solutions, empowering businesses with resilience and trust."

Joseph Henderson



COE SECURITY LLC

USA | BRAZIL | UAE | INDIA



## CASE STUDY

### SECURING THE FLOW: DATA LEAK PREVENTION FOR A GLOBAL TECH INNOVATOR



# Measurable Impact Our Security in Numbers



- 1,500+ Global Engagements
- 95% Client Satisfaction
- 10+ Years of Cybersecurity Excellence
- 15K+ Critical Vulnerabilities Identified
- 1M+ Security Incidents Managed
- \$350M+ Costs Saved
- \$2.5B+ Transactions Secured
- 24/7/365 Threat Monitoring & Response
- Proactive Threat Hunting
- Cutting-Edge Security Technologies
- Dedicated Security Advisors
- Zero-Day Exploit Mitigation
- Incident Response Planning & Execution
- Security Awareness Training
- Customizable Security Solutions

**We're  
Hiring!**

## Client Profile

The client is a large, multinational technology company operating across North America, Europe, and Asia, with over 15,000 employees and proprietary research spanning cloud computing, IoT, and AI. Following a series of insider data leakage incidents and increasing regulatory pressures, the organization sought a holistic Data Leak Prevention (DLP) strategy to secure sensitive intellectual property and customer data.

## Challenges Faced

Key security concerns included:

- Uncontrolled data exfiltration through SaaS and USB ports
- Lack of visibility into internal user behavior and file movement
- Inadequate controls over source code and design documents
- Non-compliance with GDPR, HIPAA, and internal IP protection policies

## Solution

COE Security implemented a tailored DLP Security Operations Engagement, combining:

1. DLP Policy Framework Design: Developed granular policies for data in motion, at rest, and in use
2. Insider Threat Monitoring: Implemented UEBA to detect anomalous user behavior
3. Endpoint DLP Controls: Enforced data control policies across workstations and remote endpoints
4. SIEM & SOAR Integration: Automated response to data leakage events



# Compliance & Regulatory Mastery



- ISO 45001
- HIPAA & HITRUST
- NIST & NIST 800-171
- ISO 27001
- PCI DSS
- CMMC
- CIS Controls
- SOC 2
- CCPA & NYDFS
- EU CRA
- FedRAMP
- GDPR
- UK Cyber Essentials
- Essential Eight - Australia

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## Proactive Data Protection in Action

- Restricted unauthorized uploads to personal cloud and email accounts
- Detected and blocked anomalous file transfers involving source code repositories
- Conducted threat hunting exercises for known data exfiltration patterns
- Flagged and quarantined sensitive documents attached to outbound emails
- Reduced false positives through fine-tuned DLP classification rules

## Governance and Strategy for Sustained Protection

- Aligned DLP strategy with internal IP protection and compliance objectives
- Established a centralized DLP incident response process involving SOC and HR
- Conducted data classification workshops with business units
- Trained stakeholders on acceptable data handling practices

## COE Data Leak Prevention Service Portfolio

- Enterprise Data Leak Prevention
- User Behavior Analytics (UEBA)
- Endpoint Data Control Systems
- Secure Collaboration Gateways
- DLP Policy Development
- Automated SOAR-based Response Playbooks
- Insider Threat Detection & Mitigation
- Regulatory Compliance Mapping
- Cloud Data Protection Solutions
- Data Governance and Risk Audits



# Our Cybersecurity Arsenal: Beyond Protection- We Build Resilience



- Application Penetration Testing (Thick/Thin)
- Mobile Application Penetration Testing
- API Penetration Testing
- Network Penetration Testing
- Operational Technology Security Testing
- Cloud Penetration Testing
- AI & LLM Security Audit and Pen Testing
- Red Teaming & Social Engineering Services
- Product & Hardware Penetration Testing
- IoT Security
- Security Operations Center Services (24/7)
- Custom Security Services

## Implementation Details

- Rolled out endpoint agents to 12,000+ devices for continuous data monitoring
- Integrated DLP alerts with existing SIEM (Splunk) and SOAR platforms
- Conducted simulation drills for insider threat scenarios
- Delivered comprehensive DLP documentation and configuration backups
- Weekly reports provided to CISO dashboard with incident metrics and trends

## Results Achieved

- 95% reduction in unsanctioned data transfers within 60 days
- Full regulatory alignment for GDPR Article 32 and HIPAA Security Rule
- 24/7 visibility into high-risk data movement across the enterprise
- SOC response time to data leaks improved by 70% post-automation

## Client Testimonial

“COE Security gave us full visibility and control over our critical data. Their seamless deployment and real-time response capabilities helped us close data gaps we didn’t know existed.”

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# Industries We Protect with Cutting-Edge Security



- Financial Services
- Healthcare
- Retail
- E-commerce
- Government
- Cryptocurrency
- Blockchain Technology
- Automotive
- Transportation/Logistics
- Energy & Utilities
- Hospitality/Tourism
- Entertainment/Media
- Manufacturing
- Education
- Telecommunications
- HiTech & Information Technology

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## COE Security LLC

COE Security is a leading cybersecurity services provider, offering comprehensive solutions to address the evolving threat landscape. We have a proven track record of helping organizations of all sizes mitigate risks, strengthen defenses, and recover from cyberattacks. Our team of experienced cybersecurity professionals possesses deep expertise in the latest technologies and best practices, enabling us to deliver tailored solutions that meet your unique security needs.

"Peace of mind in a world of cyber threats.  
That's what we deliver."

*Joseph Henderson*

